INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/39673

	SIFICATION OF SUBJECT MATTER		1
IPC(7)	: A61K 31/44, 31/42; C07D 471/02, 471/06		ļ
US CL	: 514/293, 303; 546/82, 118	onal classification and IDC	
	International Patent Classification (IPC) or to both national	Oliai Classification and IFC	
	OS SEARCHED		
Minimum doc	numentation searched (classification system followed by	classification symbols)	
	4/293, 303; 546/82, 118		
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Documentation	on searched other than minimum documentation to the e	extent that such documents are included in the	e Heids searched
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Electronic da	ta base consulted during the international search (name	or data base and, where practicable, search te	ama uscu)
EAST; STN:I	Registry, Chemical Abstracts		Ì
}			
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT		
	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Category *	US 6,573,273 A (CROOKS et al) 03/ June 2003 (03.6		1-31
Х	OB 03213,213 M (CROOKS et al) 03/ Julie 2003 (03/)		
x	US 6,656,938 A (CROOKSS et al) 02 December 200:	3 (02.12.2003), claims.	1-31
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M - :	(See patent family annex.	
,	documents are listed in the continuation of Box C.	hand.	ional filing data or priority
* S	pecial categories of cited documents:	later document published after the internat date and not in conflict with the application	onar ming use of priority a but cited to understand the
"A" document	defining the general state of the art which is not considered to be of	principle or theory underlying the invention	1 ,
	relevance	"X" document of particular relevance; the claim	red invention cannot be
	plication or patent published on or after the international filing date	"X" document of particular relevance; the claim considered novel or cannot be considered	to involve an inventive step
		when the document is taken alone	
"L" document	which may throw doubts on priority claim(s) or which is cited to	"Y" document of particular relevance; the clair	ned invention cannot be
establish specified	the publication date of another citation or other special reason (as	considered to involve an inventive step wh	en the document is combined
		with one or more other such documents, s	ich combination being
"O" document	referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	
"P" document	published prior to the international filing date but later than the	"&" document member of the same patent fam-	lly .
priority d	ate claimed		
Date of the ac	ctual completion of the international search	Date of mailing of the international search	report
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01 September	r 2005 (01.09.2005)	Authorized officer To NOV 2	Vedana 1 -
	niling address of the ISA/US	Authorized officer Authorized officer Worldgard Seasonan	M
	Il Stop PCT, Attn: ISA/US	(f) Wargardt Seathan ()	,
	nmissioner for Patents Box 1450		
Ale	xandria, Virginia 22313-1450	Telephone No. 703-308-1235	
	(703) 305-3230	i	**

PATENT COOPERATION TREATY

REC'D	1	7	NOA	2005
WIPO				PCT

To: DEAN A. ERSFELD OFFICE OF INTELLECTUAL PROPERTY COUNSEL POST OFFICE BOX 33427 SAINT PAUL, MN 55133-3427 Applicant's or agent's file reference 59787WO005 International application No. International filing date (day/month/year) PCT/US04/39673 24 November 2004 (24.11.2004) International Patent Classification (IPC) or both national classification and IPC IPC(7): A61K 31/44, 31/42; C07D 471/02, 471/06 and US Cl.: 514/293, 303; 546/82, 118 PCT PCT/US04/394, 303; 546/82, 118	PC B HORITY
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PC(7): A61K 31/44, 31/42; C07D 471/02, 471/06 and US CL: 514/293, 303; 546/82, 118 Applicant	2
3M INNOVATIVE PROPERTIES COMPANY	
1 This oninion contains in the state of the	
1. This opinion contains indications relating to the following items:	
Box No. I Basis of the opinion	
Box No. II Priority	
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
Box No. IV Lack of unity of invention	У
Box No. V Reasoned statement under Rule 43his, 1(a)(i) with regard to receive in the statement of the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(a)(i) with regard to receive in the statement under Rule 43his, 1(al
applicability; citations and explanations supporting such statement Box No. VI Certain documents cited	
and the international application	
Box No. VIII Certain observations on the international application	
2. FURTHER ACTION	
If a demand for international preliminary examination is made, this opinion will be considered to be a written opini International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant of Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule of that written opinions of this International Searching Authority will not be so considered.	ion of the nooses an 56.1 <i>bis(b)</i>
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to subrofferm PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.	nit to the of mailing
3. For further details, see notes to Form PCT/ISA/220.	
ame and mailing address of the ISA/US	J Dhang
me and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Commissioner for Peterstee	1 //
me and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Date of completion of this opinion Authorized officer OI September 2005 (01.09.2005)	"

Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International appli	ication No.	

PCT/US04/39673

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/39673

Statement		
Novelty (N)	Claims NONE	Y
, , ,	Claims 1-31	
Inventive step (IS)	Claims NONE	Y
	Claims 1-31	
Industrial applicability (IA)	Claims 1-31	.
maustral approachity (121)	Claims NONE	Y:
Citations and explanations:		
aims 1-31 lack novelty and inventive step under Faches imidzo compounds that are used as antiviral	PCT Articles 33(2-3) as being anticipated or mac is and anti-neoplastic compounds having the sam	le obvious by Crooks. Crooks
aims 1-31 meet the criteria set out in PCT Article made or used in industry.		•
made of asos in industry.		
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